

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

| | | | | | |
|--|--|------------------|--|------------------------|----------|
| Customer | : | | | | |
| Product line | : W22 NEMA Premium Efficiency Three-Phase | | Product code : | 13697239 | |
| | | | Catalog # : | 07536ET3H365TS-W22G | |
| Frame | : 364/5TS | | Locked rotor time | : 18s (cold) 10s (hot) | |
| Output | : 75 HP (55 kW) | | Temperature rise | : 80 K | |
| Poles | : 2 | | Duty cycle | : Cont.(S1) | |
| Frequency | : 60 Hz | | Ambient temperature | : -20°C to +40°C | |
| Rated voltage | : 575 V | | Altitude | : 1000 m.a.s.l. | |
| Rated current | : 65.5 A | | Protection degree | : IP55 | |
| L. R. Amperes | : 439 A | | Cooling method | : IC411 - TEFC | |
| LRC | : 6.7x(Code G) | | Mounting | : F-1 | |
| No load current | : 17.6 A | | Rotation ¹ | : Both (CW and CCW) | |
| Rated speed | : 3555 rpm | | Noise level ² | : 79.0 dB(A) | |
| Slip | : 1.25 % | | Starting method | : Direct On Line | |
| Rated torque | : 109 ft.lb | | Approx. weight ³ | : 859 lb | |
| Locked rotor torque | : 200 % | | | | |
| Breakdown torque | : 260 % | | | | |
| Insulation class | : F | | | | |
| Service factor | : 1.25 | | | | |
| Moment of inertia (J) | : 11.9 sq.ft.lb | | | | |
| Design | : B | | | | |
| Output | 25% | 50% | 75% | 100% | |
| Efficiency (%) | 92.2 | 92.4 | 93.6 | 93.6 | |
| Power Factor | 0.59 | 0.83 | 0.88 | 0.90 | |
| | Foundation loads | | | | |
| | | | Max. traction | : 556 lb | |
| | | | Max. compression | : 1415 lb | |
| | | <u>Drive end</u> | | <u>Non drive end</u> | |
| Bearing type | : | 6314 C3 | : | 6314 C3 | |
| Sealing | : | WSeal | : | WSeal | |
| Lubrication interval | : | 4000 h | : | 4000 h | |
| Lubricant amount | : | 27 g | : | 27 g | |
| Lubricant type | : | Mobil Polyrex EM | | | |
| Notes | | | | | |
| This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. | | | These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. | | |
| Rev. | Changes Summary | | Performed | Checked | Date |
| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 19/01/2018 | | | 1 / 1 | |